

Strawman roadmap towards a LBNE EPSCoR proposal

Thomas Kutter, LSU

Disclaimer

- The following is merely a starting point to outline one possible path towards a unified LBNE EPSCoR proposal
- Will have to modify according to discussions or replace completely with better approach

Goal and Constraints

Goals:

- Proposal subject: “LBNE far detector calibration”
- Draft proposal ready by ~May 15, 2011

Boundary conditions:

- \$1.5M – \$2.0M per year for 3 (or possibly 5) years
- One coherent well focused proposal rather than a laundry list (as was the case for the former University proposal)
- Improve infrastructure + expertise at participating institutions
- Expect FOA around mid May 2011
- ...

Approach

- 1) Identify coherent list of well motivated tasks which are well aligned with DOE mission (e.g. LBNE)
 - Far detector calibration
 - Water Cherenkov detector calibration
 - Optical calibration
 - energy calibration
 - Etc. etc.
 - LAr detector calibration
 - ...
- 2) Identify associated technical tasks
 - Determine synergies between WCh and Lar tasks
 - Include hooks to allow for associated tasks such as near detector R&D
 - Refine scope
- 3) Divide out responsibilities
 - Estimate budgets → reality check → refine scope
- 4) Merge information into coherent proposal

Time line

- March 2: start of more intense/active discussions
 - March 15: high level tasks identified and structured
 - March 30: definition of technical tasks; expressions of interests by groups; budget estimates
 - April 1st: Contact DOE to solicit feedback regarding task, budget, submission process; 3 vs 5 year, ...
 - April 15: first draft outline of narrative
 - May 1st: budget numbers + explanation
 - May 15 : Proposal draft ready
- refine and fine tune narrative and budgets according to FOA requirements

Tasks until next meeting

- Work out *prioritized* list of high level calibration tasks (as inclusive as possible)
 - For WCh and Lar (seperately/combined ?)
 - Largely done for WCh (and maybe Lar ?) but needs to be revisited
- Identify regular meeting time